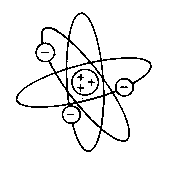
Activity 4 Name Click here to enter text.

Are Atoms Indivisible?

Goals…

* Observe the behavior of a cathode ray in the presence of a magnet
* Discuss Thomson’s conclusions from 1897 about cathode rays
* Simulate Rutherford’s experiment to learn about the structure of atoms
* Organize your understanding of some of the different particles that comprise matter

CHEM Talk

* JJ Thomson found evidence of subatomic particles –Click here to enter text.
* Electrons have a Click here to enter text.
* His proposed model:
* Ernest Rutherford did experiments to test atoms and found tiny places Click here to enter text.and mass
* He concluded that the charge was Click here to enter text. and most of the mass was concentrated in the Click here to enter text.
* The PROTON is the unit of Click here to enter text.

REFLECTING

* Evidence of a nucleus with Click here to enter text.
* Negatively charged electrons Click here to enter text.
* Nucleus contains Click here to enter text.an atom’s mass
  + Protons + Neutrons
* Protons are Click here to enter text. by the negative electrons
* This equals a Click here to enter text.
* ATOMIC NUMBER on the periodic table is the Click here to enter text.
* Elements are Click here to enter text.